



National Transportation Safety Board Aviation Accident Final Report

Location:	ORLANDO, FL	Accident Number:	MIA85FA041
Date & Time:	11/21/1984, 1158 EST	Registration:	N82108
Aircraft:	PIPER PA-28-181	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	3 Fatal
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

NUMEROUS WITNESSES HEARD THE ENGINE SPUTTER AND THEN STOP. THE EVIDENCE SUGGESTS THE PILOT ATTEMPTED AN EMERGENCY LANDING AT THE PARKING LOT. WHILE MANEUVERING AT VERY LOW ALTITUDES AND AIRSPEEDS, THE LEFT WING HIT A LIGHT POLE. THE PRIVATE PILOT HAD A TOTAL OF 79 HOURS LOGGED. NO FUEL WAS FOUND IN THE LINES OR IN THE FUEL TANKS.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

Findings

Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - NONMECHANICAL
Phase of Operation: CRUISE - NORMAL

Findings

1. (F) FLUID,FUEL - EXHAUSTION
2. (F) FUEL SUPPLY - INADEQUATE - PILOT IN COMMAND
3. (F) AIRCRAFT PREFLIGHT - POOR - PILOT IN COMMAND
4. (C) FUEL CONSUMPTION CALCULATIONS - MISJUDGED - PILOT IN COMMAND
5. (C) LACK OF TOTAL EXPERIENCE - PILOT IN COMMAND

Occurrence #2: FORCED LANDING
Phase of Operation: DESCENT - EMERGENCY

Occurrence #3: IN FLIGHT COLLISION WITH OBJECT
Phase of Operation: DESCENT - UNCONTROLLED

Findings

6. (F) OBJECT - UTILITY POLE

Occurrence #4: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: DESCENT - UNCONTROLLED

Findings

7. TERRAIN CONDITION - GROUND
8. OBJECT - VEHICLE

Factual Information

Pilot Information

Certificate:	Private	Age:	30, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	Yes
Medical Certification:	Class 3 Valid Medical--w/ waivers/lim.	Last FAA Medical Exam:	06/27/1984
Occupational Pilot:	Last Flight Review or Equivalent:		
Flight Time:	82 hours (Total, all aircraft), 54 hours (Total, this make and model), 25 hours (Pilot In Command, all aircraft), 38 hours (Last 90 days, all aircraft), 38 hours (Last 30 days, all aircraft), 38 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	PIPER	Registration:	N82108
Model/Series:	PA-28-181 PA-28-181	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:		Serial Number:	288090299
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	10/05/1984, 100 Hour	Certified Max Gross Wt.:	2550 lbs
Time Since Last Inspection:	66 Hours	Engines:	1 Reciprocating
Airframe Total Time:	11729 Hours	Engine Manufacturer:	LYCOMING
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	O-360-A4M
Registered Owner:	GORDON B. BAILEY	Rated Power:	180 hp
Operator:	RAYMOND E. ALLEN	Operating Certificate(s) Held:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	MCO, 96 ft msl	Distance from Accident Site:	14 Nautical Miles
Observation Time:	1153 EST	Direction from Accident Site:	70°
Lowest Cloud Condition:	Unknown / 2400 ft agl	Visibility	7 Miles
Lowest Ceiling:	Broken / 2400 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	8 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	60°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	22° C / 19° C
Precipitation and Obscuration:			
Departure Point:	GREENVILLE, SC (GMU)	Type of Flight Plan Filed:	VFR
Destination:	KISSIMMEE, FL (ISM)	Type of Clearance:	VFR
Departure Time:	0849 EST	Type of Airspace:	Class G

Wreckage and Impact Information

Crew Injuries:	1 Fatal	Aircraft Damage:	Destroyed
Passenger Injuries:	2 Fatal	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	3 Fatal	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	MAX ROJAS	Report Date:	
Additional Participating Persons:	F E RYALS DON POUST; VERO BEACH, FL ROBERT BOOK JR.; VERO BEACH, FL JOHN ZIELINSKY		
Publish Date:			
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinquiry@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).